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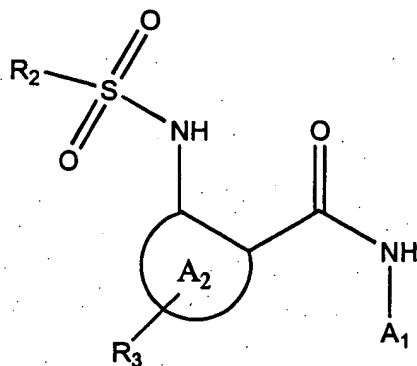
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WHAT IS CLAIMED IS:

1. A method for treating a tumor in a subject in need thereof, comprising administering to said subject a therapeutically effective amount of a compound having the formula:



or a pharmaceutically acceptable salt, ester, amide, or prodrug thereof wherein

A<sub>1</sub> is aryl or heteroaryl, each of which may be optionally substituted with one, two or three groups independently selected from halogen, aryl, -CF<sub>3</sub>, -NO<sub>2</sub>, -OH, -O-(C<sub>1</sub>-C<sub>7</sub>)-alkyl, -O-(C<sub>2</sub>-C<sub>4</sub>)-alkyl-O-(C<sub>1</sub>-C<sub>7</sub>)-alkyl, -O-aryl, (C<sub>1</sub>-C<sub>2</sub>)-alkylenedioxy, -NR<sub>5</sub>R<sub>6</sub>, -CN, -CO-NR<sub>5</sub>R<sub>6</sub>, -COOH, -CO-O-(C<sub>1</sub>-C<sub>5</sub>)-alkyl, heterocyclyl, -CHO, -CO-(C<sub>1</sub>-C<sub>10</sub>)-alkyl, -CO-aryl, -CO-heteroaryl, or

(C<sub>1</sub>-C<sub>10</sub>)-alkyl, (C<sub>3</sub>-C<sub>10</sub>)-cycloalkyl, (C<sub>1</sub>-C<sub>10</sub>)-alkenyl or (C<sub>1</sub>-C<sub>10</sub>)-alkynyl, each of which is optionally substituted with up to five groups independently selected from halogen, -OH, aryl, heteroaryl, -O-(C<sub>1</sub>-C<sub>10</sub>)-alkyl, -O-(C<sub>1</sub>-C<sub>7</sub>)-alkyl-R<sub>7</sub>, -O-aryl, -O-heteroaryl, -SH, -S-(C<sub>1</sub>-C<sub>10</sub>)-alkyl, -S-(C<sub>1</sub>-C<sub>7</sub>)-alkyl-R<sub>7</sub>, -S-aryl, -S-heteroaryl, -P(O)(O-(C<sub>1</sub>-C<sub>5</sub>)-alkyl)<sub>2</sub>, -P(O)(OH)<sub>2</sub>, -CN, -NR<sub>8</sub>R<sub>9</sub>, -CO-NH<sub>2</sub>, -CO-NH-(C<sub>1</sub>-C<sub>3</sub>)-alkyl, -CO-N((C<sub>1</sub>-C<sub>3</sub>)-alkyl)<sub>2</sub>, -COOH, -CO-O-(C<sub>1</sub>-C<sub>5</sub>)-alkyl, heterocyclyl, and oxo;

A<sub>2</sub> represents a ringed structure consisting of aryl, heteroaryl, heterocyclyl or (C<sub>3</sub>-C<sub>10</sub>)-cycloalkyl;

R<sub>2</sub> is -NR<sub>5</sub>R<sub>6</sub>, or

5 aryl, heteroaryl, heterocyclyl, (C<sub>1</sub>-C<sub>10</sub>)-alkyl, (C<sub>3</sub>-C<sub>10</sub>)-cycloalkyl, (C<sub>1</sub>-C<sub>10</sub>)-alkenyl or (C<sub>1</sub>-C<sub>10</sub>)-alkynyl, each of which may be optionally substituted with one, two or three groups selected from halogen, -OH, aryl, heteroaryl, -O-(C<sub>1</sub>-C<sub>10</sub>)-alkyl, -O-(C<sub>1</sub>-C<sub>7</sub>)-alkyl-R<sub>7</sub>, -O-aryl, -O-heteroaryl, -SH, -S-(C<sub>1</sub>-C<sub>10</sub>)-alkyl, -S-(C<sub>1</sub>-C<sub>7</sub>)-alkyl-R<sub>7</sub>, -S-aryl, -S-heteroaryl, -P(O)(O-(C<sub>1</sub>-C<sub>5</sub>)-alkyl)<sub>2</sub>, -P(O)(OH)<sub>2</sub>, -CN, -NR<sub>8</sub>R<sub>9</sub>, -CO-NH<sub>2</sub>, -CO-NH-(C<sub>1</sub>-C<sub>3</sub>)-alkyl, 10 -CO-N((C<sub>1</sub>-C<sub>3</sub>)-alkyl)<sub>2</sub>, -COOH, -CO-O-(C<sub>1</sub>-C<sub>5</sub>)-alkyl, heterocyclyl, and oxo;

R<sub>3</sub> is one, two or three substituents independently selected from hydrogen, halogen, -CF<sub>3</sub>, -OH, -O-(C<sub>1</sub>-C<sub>10</sub>)-alkyl, -O-(C<sub>1</sub>-C<sub>7</sub>)-alkyl-R<sub>7</sub>, -O-aryl, -O-heteroaryl, -SH, -S-(C<sub>1</sub>-C<sub>10</sub>)-alkyl, -S-(C<sub>1</sub>-C<sub>7</sub>)-alkyl-R<sub>7</sub>, -S-aryl, -S-heteroaryl, (C<sub>1</sub>-C<sub>3</sub>)-alkylene dioxy, - 15 CN, -NO<sub>2</sub>, -NR<sub>8</sub>R<sub>9</sub>, -CONR<sub>5</sub>R<sub>6</sub>, -COOH, -CO-O-(C<sub>1</sub>-C<sub>5</sub>)-alkyl, heterocyclyl, -S(O)<sub>n</sub>-(C<sub>1</sub>-C<sub>7</sub>)-alkyl, -S(O)<sub>n</sub>-aryl, -S(O)<sub>n</sub>-heteroaryl, -S(O)<sub>n</sub>-NR<sub>5</sub>R<sub>6</sub>, or (C<sub>1</sub>-C<sub>7</sub>)-alkyl, (C<sub>3</sub>-C<sub>7</sub>)-cycloalkyl, (C<sub>1</sub>-C<sub>7</sub>)-alkenyl or (C<sub>1</sub>-C<sub>7</sub>)-alkynyl, each of which is optionally substituted with up to five groups independently selected from halogen, -OH, aryl, heteroaryl, -O-(C<sub>1</sub>-C<sub>10</sub>)-alkyl, -O-(C<sub>1</sub>-C<sub>7</sub>)-alkyl-R<sub>7</sub>, -O-aryl, -O-heteroaryl, -SH, -S-(C<sub>1</sub>-C<sub>10</sub>)-alkyl, -S-(C<sub>1</sub>-C<sub>7</sub>)-alkyl-R<sub>7</sub>, -S-aryl, -S-heteroaryl, -P(O)(O-(C<sub>1</sub>-C<sub>5</sub>)-alkyl)<sub>2</sub>, -P(O)(OH)<sub>2</sub>, - 20 CN, -NR<sub>8</sub>R<sub>9</sub>, -CO-NH<sub>2</sub>, -CO-NH-(C<sub>1</sub>-C<sub>3</sub>)-alkyl, -CO-N((C<sub>1</sub>-C<sub>3</sub>)-alkyl)<sub>2</sub>, -COOH, -CO-O-(C<sub>1</sub>-C<sub>5</sub>)-alkyl, heterocyclyl, and oxo;

R<sub>5</sub> and R<sub>6</sub> independently are hydrogen, or

(C<sub>1</sub>-C<sub>10</sub>)-alkyl, (C<sub>3</sub>-C<sub>10</sub>)-cycloalkyl, (C<sub>1</sub>-C<sub>10</sub>)-alkenyl or (C<sub>1</sub>-C<sub>10</sub>)-alkynyl, each of which is optionally substituted with one, two or three groups selected from aryl, heteroaryl, heterocyclyl, -CO-(C<sub>1</sub>-C<sub>10</sub>)-alkyl, -CO-aryl, -CO-heteroaryl, -CO-heterocyclyl, -SO<sub>2</sub>-(C<sub>1</sub>-C<sub>10</sub>)-alkyl, -SO<sub>2</sub>-aryl, -SO<sub>2</sub>-heteroaryl, or -SO<sub>2</sub>-heterocyclyl; or

R<sub>5</sub> and R<sub>6</sub> together with the nitrogen atom to which they are attached form a 5, 6, 7 or 8-

membered carbocyclic ring up to two of which members are optionally hetero atoms selected from N, O, and S, the carbocyclic ring being optionally substituted

with up to five groups selected from halogen, (C<sub>1</sub>-C<sub>5</sub>)-alkyl, (C<sub>3</sub>-C<sub>6</sub>)-cycloalkyl, (C<sub>1</sub>-C<sub>5</sub>)-alkenyl, (C<sub>1</sub>-C<sub>5</sub>)-alkynyl, (C<sub>1</sub>-C<sub>3</sub>)-hydroxyalkyl, (C<sub>1</sub>-C<sub>3</sub>)-alkyl-O-(C<sub>1</sub>-C<sub>4</sub>)-alkyl, aryl, heteroaryl, -CF<sub>3</sub>, -OH, -O-(C<sub>1</sub>-C<sub>7</sub>)-alkyl, -O-aryl, -O-heteroaryl, -O-(C<sub>2</sub>-C<sub>4</sub>)-alkyl-O-(C<sub>1</sub>-C<sub>7</sub>)-alkyl, (C<sub>2</sub>-C<sub>3</sub>)-alkylenedioxy, -NR<sub>8</sub>R<sub>9</sub>, -CN, -CO-NH<sub>2</sub>, -CO-NH-(C<sub>1</sub>-C<sub>3</sub>)-alkyl, -CO-N((C<sub>1</sub>-C<sub>3</sub>)-alkyl)<sub>2</sub>, -COOH, -CO-O-(C<sub>1</sub>-C<sub>5</sub>)-alkyl, -CHO, CO-(C<sub>1</sub>-C<sub>5</sub>)-alkyl, -S(O)<sub>n</sub>-(C<sub>1</sub>-C<sub>4</sub>)-alkyl, -S(O)<sub>n</sub>-NH<sub>2</sub>, -S(O)<sub>n</sub>-NH-(C<sub>1</sub>-C<sub>3</sub>)-alkyl, -S(O)<sub>n</sub>-N((C<sub>1</sub>-C<sub>3</sub>)-alkyl)<sub>2</sub>, oxo, -(CH<sub>2</sub>)<sub>m</sub>-NH<sub>2</sub>, -(CH<sub>2</sub>)<sub>m</sub>-NH-(C<sub>1</sub>-C<sub>4</sub>)-alkyl or -(CH<sub>2</sub>)<sub>m</sub>-N((C<sub>1</sub>-C<sub>4</sub>)-alkyl)<sub>2</sub>, wherein the two alkyl groups are optionally linked by

a single bond and then, together with the nitrogen atom to which they are

attached, form a 5, 6, 7 or 8- membered carbocyclic ring in which one

member is optionally selected from O, S or NR<sub>5</sub>;

R<sub>7</sub> is -OH, -O-(C<sub>1</sub>-C<sub>7</sub>)-alkyl, -NH<sub>2</sub>, -NH-(C<sub>1</sub>-C<sub>4</sub>)-alkyl, or

-N((C<sub>1</sub>-C<sub>4</sub>)-alkyl)<sub>2</sub>, wherein the two alkyl groups are optionally linked by a single bond and then, together with the nitrogen atom to which they are attached,

form a 5, 6, 7 or 8- membered carbocyclic ring in which one member is optionally selected from O, S or NR<sub>5</sub>;

R<sub>8</sub> is hydrogen, or

(C<sub>1</sub>-C<sub>7</sub>)-alkyl, (C<sub>3</sub>-C<sub>7</sub>)-cycloalkyl, (C<sub>1</sub>-C<sub>7</sub>)-alkenyl or (C<sub>1</sub>-C<sub>7</sub>)-alkynyl, each of which is optionally substituted with one, two or three groups selected from -OH, -O-(C<sub>1</sub>-C<sub>5</sub>)-alkyl, -NH<sub>2</sub>, -NH-(C<sub>1</sub>-C<sub>4</sub>)-alkyl and -N((C<sub>1</sub>-C<sub>4</sub>)-alkyl)<sub>2</sub>;

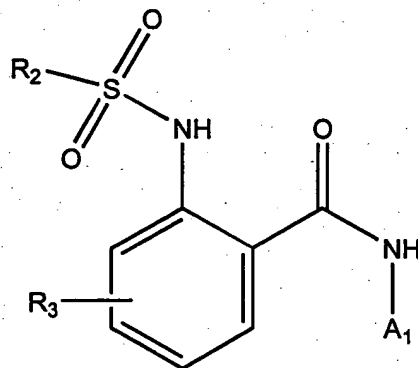
R<sub>9</sub> is hydrogen, -CO-(C<sub>1</sub>-C<sub>4</sub>)-alkyl, or

(C<sub>1</sub>-C<sub>7</sub>)-alkyl, (C<sub>3</sub>-C<sub>7</sub>)-cycloalkyl, (C<sub>1</sub>-C<sub>7</sub>)-alkenyl or (C<sub>1</sub>-C<sub>7</sub>)-alkynyl, each of which is optionally substituted with one, two or three groups selected from -OH, -O-(C<sub>1</sub>-C<sub>5</sub>)-alkyl, -NH<sub>2</sub>, -NH-(C<sub>1</sub>-C<sub>4</sub>)-alkyl and -N((C<sub>1</sub>-C<sub>4</sub>)-alkyl)<sub>2</sub>;

n is 0, 1, or 2; and

m is 2, 3, or 4.

2. A method for treating a tumor in a subject in need thereof, comprising administering to said subject a therapeutically effective amount of a compound having the formula:



or a pharmaceutically acceptable salt, ester, amide, or prodrug thereof wherein

A<sub>1</sub> is aryl or heteroaryl, each of which may be optionally substituted with one, two or three groups independently selected from halogen, aryl, -CF<sub>3</sub>, -NO<sub>2</sub>, -OH, -O-(C<sub>1</sub>-C<sub>7</sub>)-alkyl, -O-(C<sub>2</sub>-C<sub>4</sub>)-alkyl-O-(C<sub>1</sub>-C<sub>7</sub>)-alkyl, -O-aryl, (C<sub>1</sub>-C<sub>2</sub>)-alkylenedioxy, -NR<sub>5</sub>R<sub>6</sub>, -CN, -CO-NR<sub>5</sub>R<sub>6</sub>, -COOH, -CO-O-(C<sub>1</sub>-C<sub>5</sub>)-alkyl, heterocyclyl, -CHO, -CO-(C<sub>1</sub>-C<sub>10</sub>)-alkyl, -CO-aryl, -CO-heteroaryl, or

(C<sub>1</sub>-C<sub>10</sub>)-alkyl, (C<sub>3</sub>-C<sub>10</sub>)-cycloalkyl, (C<sub>1</sub>-C<sub>10</sub>)-alkenyl or (C<sub>1</sub>-C<sub>10</sub>)-alkynyl, each of which is optionally substituted with up to five groups independently selected from halogen, -OH, aryl, heteroaryl, -O-(C<sub>1</sub>-C<sub>10</sub>)-alkyl, -O-(C<sub>1</sub>-C<sub>7</sub>)-alkyl-R<sub>7</sub>, -O-aryl, -O-heteroaryl, -SH, -S-(C<sub>1</sub>-C<sub>10</sub>)-alkyl, -S-(C<sub>1</sub>-C<sub>7</sub>)-alkyl-R<sub>7</sub>, -S-aryl, -S-heteroaryl, -P(O)(O-(C<sub>1</sub>-C<sub>5</sub>)-alkyl)<sub>2</sub>, -P(O)(OH)<sub>2</sub>, -CN, -NR<sub>8</sub>R<sub>9</sub>, -CO-NH<sub>2</sub>, -CO-NH-(C<sub>1</sub>-C<sub>3</sub>)-alkyl, -CO-N((C<sub>1</sub>-C<sub>3</sub>)-alkyl)<sub>2</sub>, -COOH, -CO-O-(C<sub>1</sub>-C<sub>5</sub>)-alkyl, heterocyclyl, and oxo;

R<sub>2</sub> is -NR<sub>5</sub>R<sub>6</sub>, or

aryl, heteroaryl, heterocyclyl, (C<sub>1</sub>-C<sub>10</sub>)-alkyl, (C<sub>3</sub>-C<sub>10</sub>)-cycloalkyl, (C<sub>1</sub>-C<sub>10</sub>)-alkenyl or (C<sub>1</sub>-C<sub>10</sub>)-alkynyl, each of which may be optionally substituted with one, two or three groups selected from halogen, -OH, aryl, heteroaryl, -O-(C<sub>1</sub>-C<sub>10</sub>)-alkyl, -O-(C<sub>1</sub>-C<sub>7</sub>)-alkyl-R<sub>7</sub>, -O-aryl, -O-heteroaryl, -SH, -S-(C<sub>1</sub>-C<sub>10</sub>)-alkyl, -S-(C<sub>1</sub>-C<sub>7</sub>)-alkyl-R<sub>7</sub>, -S-aryl, -S-heteroaryl, -P(O)(O-(C<sub>1</sub>-C<sub>5</sub>)-alkyl)<sub>2</sub>, -P(O)(OH)<sub>2</sub>, -CN, -NR<sub>8</sub>R<sub>9</sub>, -CO-NH<sub>2</sub>, -CO-NH-(C<sub>1</sub>-C<sub>3</sub>)-alkyl, -CO-N((C<sub>1</sub>-C<sub>3</sub>)-alkyl)<sub>2</sub>, -COOH, -CO-O-(C<sub>1</sub>-C<sub>5</sub>)-alkyl, heterocyclyl, and oxo;

R<sub>3</sub> is one, two or three substituents independently selected from hydrogen, halogen, -CF<sub>3</sub>, -OH, -O-(C<sub>1</sub>-C<sub>10</sub>)-alkyl, -O-(C<sub>1</sub>-C<sub>7</sub>)-alkyl-R<sub>7</sub>, -O-aryl, -O-heteroaryl, -SH, -S-(C<sub>1</sub>-

C<sub>10</sub>)-alkyl, -S-(C<sub>1</sub>-C<sub>7</sub>)-alkyl-R<sub>7</sub>, -S-aryl, -S-heteroaryl, (C<sub>1</sub>-C<sub>3</sub>)-alkylene dioxy, -  
CN, -NO<sub>2</sub>, -NR<sub>8</sub>R<sub>9</sub>, -CONR<sub>5</sub>R<sub>6</sub>, -COOH, -CO-O-(C<sub>1</sub>-C<sub>5</sub>)-alkyl, heterocyclyl, -  
S(O)<sub>n</sub>-(C<sub>1</sub>-C<sub>7</sub>)-alkyl, -S(O)<sub>n</sub>-aryl, -S(O)<sub>n</sub>-heteroaryl, -S(O)<sub>n</sub>-NR<sub>5</sub>R<sub>6</sub>, or  
(C<sub>1</sub>-C<sub>7</sub>)-alkyl, (C<sub>3</sub>-C<sub>7</sub>)-cycloalkyl, (C<sub>1</sub>-C<sub>7</sub>)-alkenyl or (C<sub>1</sub>-C<sub>7</sub>)-alkynyl, each of

5 which is optionally substituted with up to five groups independently  
selected from halogen, -OH, aryl, heteroaryl, -O-(C<sub>1</sub>-C<sub>10</sub>)-alkyl, -O-(C<sub>1</sub>-  
C<sub>7</sub>)-alkyl-R<sub>7</sub>, -O-aryl, -O-heteroaryl, -SH, -S-(C<sub>1</sub>-C<sub>10</sub>)-alkyl, -S-(C<sub>1</sub>-C<sub>7</sub>)-  
alkyl-R<sub>7</sub>, -S-aryl, -S-heteroaryl, -P(O)(O-(C<sub>1</sub>-C<sub>5</sub>)-alkyl)<sub>2</sub>, -P(O)(OH)<sub>2</sub>, -  
CN, -NR<sub>8</sub>R<sub>9</sub>, -CO-NH<sub>2</sub>, -CO-NH-(C<sub>1</sub>-C<sub>3</sub>)-alkyl, -CO-N((C<sub>1</sub>-C<sub>3</sub>)-alkyl)<sub>2</sub>, -  
10 COOH, -CO-O-(C<sub>1</sub>-C<sub>5</sub>)-alkyl, heterocyclyl, and oxo;

R<sub>5</sub> and R<sub>6</sub> independently are hydrogen, or

(C<sub>1</sub>-C<sub>10</sub>)-alkyl, (C<sub>3</sub>-C<sub>10</sub>)-cycloalkyl, (C<sub>1</sub>-C<sub>10</sub>)-alkenyl or (C<sub>1</sub>-C<sub>10</sub>)-alkynyl, each of  
which is optionally substituted with one, two or three groups selected from  
aryl, heteroaryl, heterocyclyl, -CO-(C<sub>1</sub>-C<sub>10</sub>)-alkyl, -CO-aryl, -CO-  
15 heteroaryl, -CO-heterocyclyl, -SO<sub>2</sub>-(C<sub>1</sub>-C<sub>10</sub>)-alkyl, -SO<sub>2</sub>-aryl, -SO<sub>2</sub>-  
heteroaryl, or -SO<sub>2</sub>-heterocyclyl; or

R<sub>5</sub> and R<sub>6</sub> together with the nitrogen atom to which they are attached form a 5, 6, 7 or 8-  
membered carbocyclic ring up to two of which members are optionally hetero  
atoms selected from N, O, and S, the carbocyclic ring being optionally substituted  
20 with up to five groups selected from halogen, (C<sub>1</sub>-C<sub>5</sub>)-alkyl, (C<sub>3</sub>-C<sub>6</sub>)-cycloalkyl,  
(C<sub>1</sub>-C<sub>5</sub>)-alkenyl, (C<sub>1</sub>-C<sub>5</sub>)-alkynyl, (C<sub>1</sub>-C<sub>3</sub>)-hydroxyalkyl, (C<sub>1</sub>-C<sub>3</sub>)-alkyl-O-(C<sub>1</sub>-C<sub>4</sub>)-  
alkyl, aryl, heteroaryl, -CF<sub>3</sub>, -OH, -O-(C<sub>1</sub>-C<sub>7</sub>)-alkyl, -O-aryl, -O-heteroaryl, -O-  
(C<sub>2</sub>-C<sub>4</sub>)-alkyl-O-(C<sub>1</sub>-C<sub>7</sub>)-alkyl, (C<sub>2</sub>-C<sub>3</sub>)-alkylenedioxy, -NR<sub>8</sub>R<sub>9</sub>, -CN, -CO-NH<sub>2</sub>, -

CO-NH-(C<sub>1</sub>-C<sub>3</sub>)-alkyl, -CO-N((C<sub>1</sub>-C<sub>3</sub>)-alkyl)<sub>2</sub>, -COOH, -CO-O-(C<sub>1</sub>-C<sub>5</sub>)-alkyl, -  
CHO, CO-(C<sub>1</sub>-C<sub>5</sub>)-alkyl, -S(O)<sub>n</sub>-(C<sub>1</sub>-C<sub>4</sub>)-alkyl, -S(O)<sub>n</sub>-NH<sub>2</sub>, -S(O)<sub>n</sub>-NH-(C<sub>1</sub>-C<sub>3</sub>)-  
alkyl, -S(O)<sub>n</sub>-N((C<sub>1</sub>-C<sub>3</sub>)-alkyl)<sub>2</sub>, oxo, -(CH<sub>2</sub>)<sub>m</sub>-NH<sub>2</sub>, -(CH<sub>2</sub>)<sub>m</sub>-NH-(C<sub>1</sub>-C<sub>4</sub>)-alkyl or  
-(CH<sub>2</sub>)<sub>m</sub>-N((C<sub>1</sub>-C<sub>4</sub>)-alkyl)<sub>2</sub>, wherein the two alkyl groups are optionally linked by

5 a single bond and then, together with the nitrogen atom to which they are  
attached, form a 5, 6, 7 or 8- membered carbocyclic ring in which one  
member is optionally selected from O, S or NR<sub>5</sub>;

R<sub>7</sub> is -OH, -O-(C<sub>1</sub>-C<sub>7</sub>)-alkyl, -NH<sub>2</sub>, -NH-(C<sub>1</sub>-C<sub>4</sub>)-alkyl, or

-N((C<sub>1</sub>-C<sub>4</sub>)-alkyl)<sub>2</sub>, wherein the two alkyl groups are optionally linked by a single  
10 bond and then, together with the nitrogen atom to which they are attached,  
form a 5, 6, 7 or 8- membered carbocyclic ring in which one member is  
optionally selected from O, S or NR<sub>5</sub>;

R<sub>8</sub> is hydrogen, or

(C<sub>1</sub>-C<sub>7</sub>)-alkyl, (C<sub>3</sub>-C<sub>7</sub>)-cycloalkyl, (C<sub>1</sub>-C<sub>7</sub>)-alkenyl or (C<sub>1</sub>-C<sub>7</sub>)-alkynyl, each of  
15 which is optionally substituted with one, two or three groups selected from  
-OH, -O-(C<sub>1</sub>-C<sub>5</sub>)-alkyl, -NH<sub>2</sub>, -NH-(C<sub>1</sub>-C<sub>4</sub>)-alkyl and -N((C<sub>1</sub>-C<sub>4</sub>)-alkyl)<sub>2</sub>;

R<sub>9</sub> is hydrogen, -CO-(C<sub>1</sub>-C<sub>4</sub>)-alkyl, or

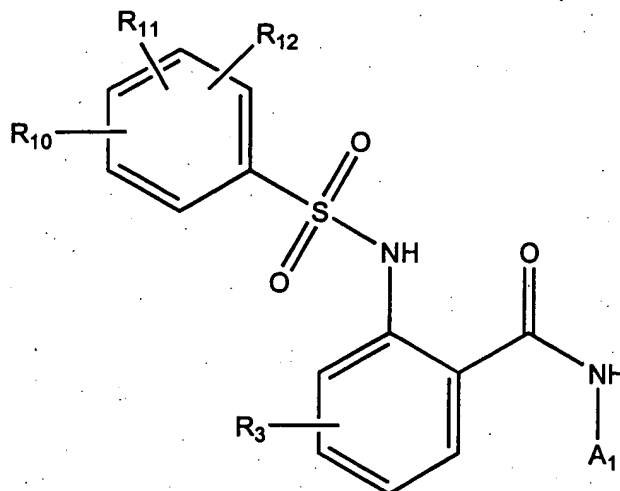
(C<sub>1</sub>-C<sub>7</sub>)-alkyl, (C<sub>3</sub>-C<sub>7</sub>)-cycloalkyl, (C<sub>1</sub>-C<sub>7</sub>)-alkenyl or (C<sub>1</sub>-C<sub>7</sub>)-alkynyl, each of  
which is optionally substituted with one, two or three groups selected from  
20 -OH, -O-(C<sub>1</sub>-C<sub>5</sub>)-alkyl, -NH<sub>2</sub>, -NH-(C<sub>1</sub>-C<sub>4</sub>)-alkyl and -N((C<sub>1</sub>-C<sub>4</sub>)-alkyl)<sub>2</sub>;

n is 0, 1, or 2; and

m is 2, 3, or 4.



3. A method for treating a tumor in a subject in need thereof, comprising administering to said subject a therapeutically effective amount of a compound having the formula:



5 or a pharmaceutically acceptable salt, ester, amide, or prodrug thereof wherein

A<sub>1</sub> is aryl or heteroaryl, each of which may be optionally substituted with one, two or three groups independently selected from halogen, aryl, -CF<sub>3</sub>, -NO<sub>2</sub>, -OH, -O-(C<sub>1</sub>-C<sub>7</sub>)-alkyl, -O-(C<sub>2</sub>-C<sub>4</sub>)-alkyl-O-(C<sub>1</sub>-C<sub>7</sub>)-alkyl, -O-aryl, (C<sub>1</sub>-C<sub>2</sub>)-alkylenedioxy, -NR<sub>5</sub>R<sub>6</sub>, -CN, -CO-NR<sub>5</sub>R<sub>6</sub>, -COOH, -CO-O-(C<sub>1</sub>-C<sub>5</sub>)-alkyl, heterocyclyl, -CHO, -CO-(C<sub>1</sub>-C<sub>10</sub>)-alkyl, -CO-aryl, -CO-heteroaryl, or

(C<sub>1</sub>-C<sub>10</sub>)-alkyl, (C<sub>3</sub>-C<sub>10</sub>)-cycloalkyl, (C<sub>1</sub>-C<sub>10</sub>)-alkenyl or (C<sub>1</sub>-C<sub>10</sub>)-alkynyl, each of which is optionally substituted with up to five groups independently selected from halogen, -OH, aryl, heteroaryl, -O-(C<sub>1</sub>-C<sub>10</sub>)-alkyl, -O-(C<sub>1</sub>-C<sub>7</sub>)-alkyl-R<sub>7</sub>, -O-aryl, -O-heteroaryl, -SH, -S-(C<sub>1</sub>-C<sub>10</sub>)-alkyl, -S-(C<sub>1</sub>-C<sub>7</sub>)-alkyl-R<sub>7</sub>, -S-aryl, -S-heteroaryl, -P(O)(O-(C<sub>1</sub>-C<sub>5</sub>)-alkyl)<sub>2</sub>, -P(O)(OH)<sub>2</sub>, -CN, -NR<sub>8</sub>R<sub>9</sub>, -CO-NH<sub>2</sub>, -CO-NH-(C<sub>1</sub>-C<sub>3</sub>)-alkyl, -CO-N((C<sub>1</sub>-C<sub>3</sub>)-alkyl)<sub>2</sub>, -COOH, -CO-O-(C<sub>1</sub>-C<sub>5</sub>)-alkyl, heterocyclyl, and oxo;

$R_3$  is one, two or three substituents independently selected from hydrogen, halogen,  $-CF_3$ ,  
 $-OH$ ,  $-O-(C_1-C_{10})$ -alkyl,  $-O-(C_1-C_7)$ -alkyl- $R_7$ ,  $-O$ -aryl,  $-O$ -heteroaryl,  $-SH$ ,  $-S-(C_1-C_{10})$ -alkyl,  
 $-S-(C_1-C_7)$ -alkyl- $R_7$ ,  $-S$ -aryl,  $-S$ -heteroaryl,  $(C_1-C_3)$ -alkylene dioxy,  $-CN$ ,  $-NO_2$ ,  $-NR_8R_9$ ,  $-CONR_5R_6$ ,  $-COOH$ ,  $-CO-O-(C_1-C_5)$ -alkyl, heterocyclyl,  $-S(O)_n-(C_1-C_7)$ -alkyl,  
 $-S(O)_n$ -aryl,  $-S(O)_n$ -heteroaryl,  $-S(O)_n-NR_5R_6$ , or  
 $(C_1-C_7)$ -alkyl,  $(C_3-C_7)$ -cycloalkyl,  $(C_1-C_7)$ -alkenyl or  $(C_1-C_7)$ -alkynyl, each of  
 which is optionally substituted with up to five groups independently  
 selected from halogen,  $-OH$ , aryl, heteroaryl,  $-O-(C_1-C_{10})$ -alkyl,  $-O-(C_1-C_7)$ -alkyl- $R_7$ ,  $-O$ -aryl,  $-O$ -heteroaryl,  $-SH$ ,  $-S-(C_1-C_{10})$ -alkyl,  $-S-(C_1-C_7)$ -alkyl- $R_7$ ,  $-S$ -aryl,  $-S$ -heteroaryl,  $-P(O)(O-(C_1-C_5)-alkyl)_2$ ,  $-P(O)(OH)_2$ ,  $-CN$ ,  $-NR_8R_9$ ,  $-CO-NH_2$ ,  $-CO-NH-(C_1-C_3)$ -alkyl,  $-CO-N((C_1-C_3)-alkyl)_2$ ,  $-COOH$ ,  $-CO-O-(C_1-C_5)$ -alkyl, heterocyclyl, and oxo;

$R_5$  and  $R_6$  independently are hydrogen, or

$(C_1-C_{10})$ -alkyl,  $(C_3-C_{10})$ -cycloalkyl,  $(C_1-C_{10})$ -alkenyl or  $(C_1-C_{10})$ -alkynyl, each of  
 which is optionally substituted with one, two or three groups selected from  
 aryl, heteroaryl, heterocyclyl,  $-CO-(C_1-C_{10})$ -alkyl,  $-CO$ -aryl,  $-CO$ -heteroaryl,  $-CO$ -heterocyclyl,  $-SO_2-(C_1-C_{10})$ -alkyl,  $-SO_2$ -aryl,  $-SO_2$ -heteroaryl, or  $-SO_2$ -heterocyclyl; or

$R_5$  and  $R_6$  together with the nitrogen atom to which they are attached form a 5, 6, 7 or 8-membered carbocyclic ring up to two of which members are optionally hetero atoms selected from N, O, and S, the carbocyclic ring being optionally substituted with up to five groups selected from halogen,  $(C_1-C_5)$ -alkyl,  $(C_3-C_6)$ -cycloalkyl,  $(C_1-C_5)$ -alkenyl,  $(C_1-C_5)$ -alkynyl,  $(C_1-C_3)$ -hydroxyalkyl,  $(C_1-C_3)$ -alkyl- $O-(C_1-C_4)$ -

alkyl, aryl, heteroaryl, -CF<sub>3</sub>, -OH, -O-(C<sub>1</sub>-C<sub>7</sub>)-alkyl, -O-aryl, -O-heteroaryl, -O-(C<sub>2</sub>-C<sub>4</sub>)-alkyl-O-(C<sub>1</sub>-C<sub>7</sub>)-alkyl, (C<sub>2</sub>-C<sub>3</sub>)-alkylenedioxy, -NR<sub>8</sub>R<sub>9</sub>, -CN, -CO-NH<sub>2</sub>, -CO-NH-(C<sub>1</sub>-C<sub>3</sub>)-alkyl, -CO-N((C<sub>1</sub>-C<sub>3</sub>)-alkyl)<sub>2</sub>, -COOH, -CO-O-(C<sub>1</sub>-C<sub>5</sub>)-alkyl, -CHO, CO-(C<sub>1</sub>-C<sub>5</sub>)-alkyl, -S(O)<sub>n</sub>-(C<sub>1</sub>-C<sub>4</sub>)-alkyl, -S(O)<sub>n</sub>-NH<sub>2</sub>, -S(O)<sub>n</sub>-NH-(C<sub>1</sub>-C<sub>3</sub>)-alkyl, -S(O)<sub>n</sub>-N((C<sub>1</sub>-C<sub>3</sub>)-alkyl)<sub>2</sub>, oxo, -(CH<sub>2</sub>)<sub>m</sub>-NH<sub>2</sub>, -(CH<sub>2</sub>)<sub>m</sub>-NH-(C<sub>1</sub>-C<sub>4</sub>)-alkyl or -(CH<sub>2</sub>)<sub>m</sub>-N((C<sub>1</sub>-C<sub>4</sub>)-alkyl)<sub>2</sub>, wherein the two alkyl groups are optionally linked by

a single bond and then, together with the nitrogen atom to which they are attached, form a 5, 6, 7 or 8- membered carbocyclic ring in which one member is optionally selected from O, S or NR<sub>5</sub>;

10 R<sub>7</sub> is -OH, -O-(C<sub>1</sub>-C<sub>7</sub>)-alkyl, -NH<sub>2</sub>, -NH-(C<sub>1</sub>-C<sub>4</sub>)-alkyl, or

-N((C<sub>1</sub>-C<sub>4</sub>)-alkyl)<sub>2</sub>, wherein the two alkyl groups are optionally linked by a single bond and then, together with the nitrogen atom to which they are attached, form a 5, 6, 7 or 8- membered carbocyclic ring in which one member is optionally selected from O, S or NR<sub>5</sub>;

15 R<sub>8</sub> is hydrogen, or

(C<sub>1</sub>-C<sub>7</sub>)-alkyl, (C<sub>3</sub>-C<sub>7</sub>)-cycloalkyl, (C<sub>1</sub>-C<sub>7</sub>)-alkenyl or (C<sub>1</sub>-C<sub>7</sub>)-alkynyl, each of which is optionally substituted with one, two or three groups selected from -OH, -O-(C<sub>1</sub>-C<sub>5</sub>)-alkyl, -NH<sub>2</sub>, -NH-(C<sub>1</sub>-C<sub>4</sub>)-alkyl and -N((C<sub>1</sub>-C<sub>4</sub>)-alkyl)<sub>2</sub>;

R<sub>9</sub> is hydrogen, -CO-(C<sub>1</sub>-C<sub>4</sub>)-alkyl, or

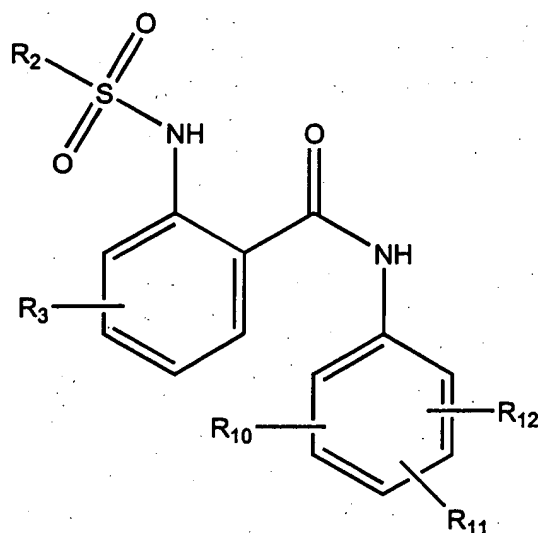
20 (C<sub>1</sub>-C<sub>7</sub>)-alkyl, (C<sub>3</sub>-C<sub>7</sub>)-cycloalkyl, (C<sub>1</sub>-C<sub>7</sub>)-alkenyl or (C<sub>1</sub>-C<sub>7</sub>)-alkynyl, each of which is optionally substituted with one, two or three groups selected from -OH, -O-(C<sub>1</sub>-C<sub>5</sub>)-alkyl, -NH<sub>2</sub>, -NH-(C<sub>1</sub>-C<sub>4</sub>)-alkyl and -N((C<sub>1</sub>-C<sub>4</sub>)-alkyl)<sub>2</sub>;

n is 0, 1, or 2; and

m is 2, 3, or 4.

4. A method for treating a tumor in a subject in need thereof, comprising administering to said subject a therapeutically effective amount of a compound having

5 the formula:



or a pharmaceutically acceptable salt, ester, amide, or prodrug thereof wherein

R<sub>2</sub> is -NR<sub>5</sub>R<sub>6</sub>, or

aryl, heteroaryl, heterocyclyl, (C<sub>1</sub>-C<sub>10</sub>)-alkyl, (C<sub>3</sub>-C<sub>10</sub>)-cycloalkyl, (C<sub>1</sub>-C<sub>10</sub>)-

10 alkenyl or (C<sub>1</sub>-C<sub>10</sub>)-alkynyl, each of which may be optionally substituted

with one, two or three groups selected from halogen, -OH, aryl, heteroaryl,

-O-(C<sub>1</sub>-C<sub>10</sub>)-alkyl, -O-(C<sub>1</sub>-C<sub>7</sub>)-alkyl-R<sub>7</sub>, -O-aryl, -O-heteroaryl, -SH, -S-

(C<sub>1</sub>-C<sub>10</sub>)-alkyl, -S-(C<sub>1</sub>-C<sub>7</sub>)-alkyl-R<sub>7</sub>, -S-aryl, -S-heteroaryl, -P(O)(O-(C<sub>1</sub>-

C<sub>5</sub>)-alkyl)<sub>2</sub>, -P(O)(OH)<sub>2</sub>, -CN, -NR<sub>8</sub>R<sub>9</sub>, -CO-NH<sub>2</sub>, -CO-NH-(C<sub>1</sub>-C<sub>3</sub>)-alkyl,

15 -CO-N((C<sub>1</sub>-C<sub>3</sub>)-alkyl)<sub>2</sub>, -COOH, -CO-O-(C<sub>1</sub>-C<sub>5</sub>)-alkyl, heterocyclyl, and

oxo;

$R_3$  is one, two or three substituents independently selected from hydrogen, halogen,  $-CF_3$ ,  
 $-OH$ ,  $-O-(C_1-C_{10})$ -alkyl,  $-O-(C_1-C_7)$ -alkyl- $R_7$ ,  $-O$ -aryl,  $-O$ -heteroaryl,  $-SH$ ,  $-S-(C_1-$   
 $C_{10})$ -alkyl,  $-S-(C_1-C_7)$ -alkyl- $R_7$ ,  $-S$ -aryl,  $-S$ -heteroaryl,  $(C_1-C_3)$ -alkylene dioxy,  $-$   
 $CN$ ,  $-NO_2$ ,  $-NR_8R_9$ ,  $-CONR_5R_6$ ,  $-COOH$ ,  $-CO-O-(C_1-C_5)$ -alkyl, heterocyclyl,  $-$   
5  $S(O)_n-(C_1-C_7)$ -alkyl,  $-S(O)_n$ -aryl,  $-S(O)_n$ -heteroaryl,  $-S(O)_n-NR_5R_6$ , or  
 $(C_1-C_7)$ -alkyl,  $(C_3-C_7)$ -cycloalkyl,  $(C_1-C_7)$ -alkenyl or  $(C_1-C_7)$ -alkynyl, each of  
which is optionally substituted with up to five groups independently  
selected from halogen,  $-OH$ , aryl, heteroaryl,  $-O-(C_1-C_{10})$ -alkyl,  $-O-(C_1-$   
 $C_7)$ -alkyl- $R_7$ ,  $-O$ -aryl,  $-O$ -heteroaryl,  $-SH$ ,  $-S-(C_1-C_{10})$ -alkyl,  $-S-(C_1-C_7)-$   
10  $alkyl-R_7$ ,  $-S$ -aryl,  $-S$ -heteroaryl,  $-P(O)(O-(C_1-C_5)-alkyl)_2$ ,  $-P(O)(OH)_2$ ,  $-$   
 $CN$ ,  $-NR_8R_9$ ,  $-CO-NH_2$ ,  $-CO-NH-(C_1-C_3)$ -alkyl,  $-CO-N((C_1-C_3)-alkyl)_2$ ,  $-$   
 $COOH$ ,  $-CO-O-(C_1-C_5)$ -alkyl, heterocyclyl, and oxo;

$R_5$  and  $R_6$  independently are hydrogen, or

$(C_1-C_{10})$ -alkyl,  $(C_3-C_{10})$ -cycloalkyl,  $(C_1-C_{10})$ -alkenyl or  $(C_1-C_{10})$ -alkynyl, each of  
15 which is optionally substituted with one, two or three groups selected from  
aryl, heteroaryl, heterocyclyl,  $-CO-(C_1-C_{10})$ -alkyl,  $-CO$ -aryl,  $-CO-$   
heteroaryl,  $-CO$ -heterocyclyl,  $-SO_2-(C_1-C_{10})$ -alkyl,  $-SO_2$ -aryl  $-SO_2-$   
heteroaryl, or  $-SO_2$ -heterocyclyl; or

$R_5$  and  $R_6$  together with the nitrogen atom to which they are attached form a 5, 6, 7 or 8-  
20 membered carbocyclic ring up to two of which members are optionally hetero  
atoms selected from N, O, and S, the carbocyclic ring being optionally substituted  
with up to five groups selected from halogen,  $(C_1-C_5)$ -alkyl,  $(C_3-C_6)$ -cycloalkyl,  
 $(C_1-C_5)$ -alkenyl,  $(C_1-C_5)$ -alkynyl,  $(C_1-C_3)$ -hydroxyalkyl,  $(C_1-C_3)$ -alkyl- $O-(C_1-C_4)-$

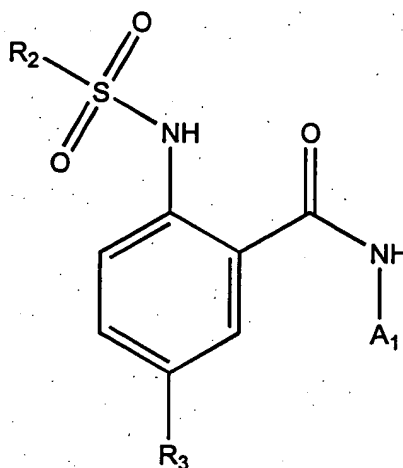
- alkyl, aryl, heteroaryl, -CF<sub>3</sub>, -OH, -O-(C<sub>1</sub>-C<sub>7</sub>)-alkyl, -O-aryl, -O-heteroaryl, -O-(C<sub>2</sub>-C<sub>4</sub>)-alkyl-O-(C<sub>1</sub>-C<sub>7</sub>)-alkyl, (C<sub>2</sub>-C<sub>3</sub>)-alkylenedioxy, -NR<sub>8</sub>R<sub>9</sub>, -CN, -CO-NH<sub>2</sub>, -CO-NH-(C<sub>1</sub>-C<sub>3</sub>)-alkyl, -CO-N((C<sub>1</sub>-C<sub>3</sub>)-alkyl)<sub>2</sub>, -COOH, -CO-O-(C<sub>1</sub>-C<sub>5</sub>)-alkyl, -CHO, CO-(C<sub>1</sub>-C<sub>5</sub>)-alkyl, -S(O)<sub>n</sub>-(C<sub>1</sub>-C<sub>4</sub>)-alkyl, -S(O)<sub>n</sub>-NH<sub>2</sub>, -S(O)<sub>n</sub>-NH-(C<sub>1</sub>-C<sub>3</sub>)-alkyl, -S(O)<sub>n</sub>-N((C<sub>1</sub>-C<sub>3</sub>)-alkyl)<sub>2</sub>, oxo, -(CH<sub>2</sub>)<sub>m</sub>-NH<sub>2</sub>, -(CH<sub>2</sub>)<sub>m</sub>-NH-(C<sub>1</sub>-C<sub>4</sub>)-alkyl or -(CH<sub>2</sub>)<sub>m</sub>-N((C<sub>1</sub>-C<sub>4</sub>)-alkyl)<sub>2</sub>, wherein the two alkyl groups are optionally linked by a single bond and then, together with the nitrogen atom to which they are attached, form a 5, 6, 7 or 8- membered carbocyclic ring in which one member is optionally selected from O, S or NR<sub>5</sub>;
- 10 R<sub>7</sub> is -OH, -O-(C<sub>1</sub>-C<sub>7</sub>)-alkyl, -NH<sub>2</sub>, -NH-(C<sub>1</sub>-C<sub>4</sub>)-alkyl, or -N((C<sub>1</sub>-C<sub>4</sub>)-alkyl)<sub>2</sub>, wherein the two alkyl groups are optionally linked by a single bond and then, together with the nitrogen atom to which they are attached, form a 5, 6, 7 or 8- membered carbocyclic ring in which one member is optionally selected from O, S or NR<sub>5</sub>;
- 15 R<sub>8</sub> is hydrogen, or (C<sub>1</sub>-C<sub>7</sub>)-alkyl, (C<sub>3</sub>-C<sub>7</sub>)-cycloalkyl, (C<sub>1</sub>-C<sub>7</sub>)-alkenyl or (C<sub>1</sub>-C<sub>7</sub>)-alkynyl, each of which is optionally substituted with one, two or three groups selected from -OH, -O-(C<sub>1</sub>-C<sub>5</sub>)-alkyl, -NH<sub>2</sub>, -NH-(C<sub>1</sub>-C<sub>4</sub>)-alkyl and -N((C<sub>1</sub>-C<sub>4</sub>)-alkyl)<sub>2</sub>;
- R<sub>9</sub> is hydrogen, -CO-(C<sub>1</sub>-C<sub>4</sub>)-alkyl, or
- 20 (C<sub>1</sub>-C<sub>7</sub>)-alkyl, (C<sub>3</sub>-C<sub>7</sub>)-cycloalkyl, (C<sub>1</sub>-C<sub>7</sub>)-alkenyl or (C<sub>1</sub>-C<sub>7</sub>)-alkynyl, each of which is optionally substituted with one, two or three groups selected from -OH, -O-(C<sub>1</sub>-C<sub>5</sub>)-alkyl, -NH<sub>2</sub>, -NH-(C<sub>1</sub>-C<sub>4</sub>)-alkyl and -N((C<sub>1</sub>-C<sub>4</sub>)-alkyl)<sub>2</sub>;

n is 0, 1, or 2; and

m is 2, 3, or 4.

5. A method for treating a tumor in a subject in need thereof, comprising administering to said subject a therapeutically effective amount of a compound having

5 the formula:



or a pharmaceutically acceptable salt, ester, amide, or prodrug thereof wherein

A<sub>1</sub> is aryl or heteroaryl, each of which may be optionally substituted with one, two or  
three groups independently selected from halogen, aryl, -CF<sub>3</sub>, -NO<sub>2</sub>, -OH, -O-(C<sub>1</sub>-  
10 C<sub>7</sub>)-alkyl, -O-(C<sub>2</sub>-C<sub>4</sub>)-alkyl-O-(C<sub>1</sub>-C<sub>7</sub>)-alkyl, -O-aryl, (C<sub>1</sub>-C<sub>2</sub>)-alkylenedioxy, -  
NR<sub>5</sub>R<sub>6</sub>, -CN, -CO-NR<sub>5</sub>R<sub>6</sub>, -COOH, -CO-O-(C<sub>1</sub>-C<sub>5</sub>)-alkyl, heterocyclyl, -CHO, -  
CO-(C<sub>1</sub>-C<sub>10</sub>)-alkyl, -CO-aryl, -CO-heteroaryl, or

(C<sub>1</sub>-C<sub>10</sub>)-alkyl, (C<sub>3</sub>-C<sub>10</sub>)-cycloalkyl, (C<sub>1</sub>-C<sub>10</sub>)-alkenyl or (C<sub>1</sub>-C<sub>10</sub>)-alkynyl, each of

15 which is optionally substituted with up to five groups independently  
selected from halogen, -OH, aryl, heteroaryl, -O-(C<sub>1</sub>-C<sub>10</sub>)-alkyl, -O-(C<sub>1</sub>-  
C<sub>7</sub>)-alkyl-R<sub>7</sub>, -O-aryl, -O-heteroaryl, -SH, -S-(C<sub>1</sub>-C<sub>10</sub>)-alkyl, -S-(C<sub>1</sub>-C<sub>7</sub>)-  
alkyl-R<sub>7</sub>, -S-aryl, -S-heteroaryl, -P(O)(O-(C<sub>1</sub>-C<sub>5</sub>)-alkyl)<sub>2</sub>, -P(O)(OH)<sub>2</sub>, -

CN, -NR<sub>8</sub>R<sub>9</sub>, -CO-NH<sub>2</sub>, -CO-NH-(C<sub>1</sub>-C<sub>3</sub>)-alkyl, -CO-N((C<sub>1</sub>-C<sub>3</sub>)-alkyl)<sub>2</sub>, -COOH, -CO-O-(C<sub>1</sub>-C<sub>5</sub>)-alkyl, heterocyclyl, and oxo;

R<sub>2</sub> is -NR<sub>5</sub>R<sub>6</sub>, or

aryl, heteroaryl, heterocyclyl, (C<sub>1</sub>-C<sub>10</sub>)-alkyl, (C<sub>3</sub>-C<sub>10</sub>)-cycloalkyl, (C<sub>1</sub>-C<sub>10</sub>)-  
5 alkenyl or (C<sub>1</sub>-C<sub>10</sub>)-alkynyl, each of which may be optionally substituted  
with one, two or three groups selected from halogen, -OH, aryl, heteroaryl,  
-O-(C<sub>1</sub>-C<sub>10</sub>)-alkyl, -O-(C<sub>1</sub>-C<sub>7</sub>)-alkyl-R<sub>7</sub>, -O-aryl, -O-heteroaryl, -SH, -S-  
(C<sub>1</sub>-C<sub>10</sub>)-alkyl, -S-(C<sub>1</sub>-C<sub>7</sub>)-alkyl-R<sub>7</sub>, -S-aryl, -S-heteroaryl, -P(O)(O-(C<sub>1</sub>-  
C<sub>5</sub>)-alkyl)<sub>2</sub>, -P(O)(OH)<sub>2</sub>, -CN, -NR<sub>8</sub>R<sub>9</sub>, -CO-NH<sub>2</sub>, -CO-NH-(C<sub>1</sub>-C<sub>3</sub>)-alkyl,  
10 -CO-N((C<sub>1</sub>-C<sub>3</sub>)-alkyl)<sub>2</sub>, -COOH, -CO-O-(C<sub>1</sub>-C<sub>5</sub>)-alkyl, heterocyclyl, and  
oxo;

R<sub>3</sub> is one, two or three substituents independently selected from hydrogen, halogen, -CF<sub>3</sub>,

-OH, -O-(C<sub>1</sub>-C<sub>10</sub>)-alkyl, -O-(C<sub>1</sub>-C<sub>7</sub>)-alkyl-R<sub>7</sub>, -O-aryl, -O-heteroaryl, -SH, -S-(C<sub>1</sub>-  
C<sub>10</sub>)-alkyl, -S-(C<sub>1</sub>-C<sub>7</sub>)-alkyl-R<sub>7</sub>, -S-aryl, -S-heteroaryl, (C<sub>1</sub>-C<sub>3</sub>)-alkylene dioxy, -  
15 CN, -NO<sub>2</sub>, -NR<sub>8</sub>R<sub>9</sub>, -CONR<sub>5</sub>R<sub>6</sub>, -COOH, -CO-O-(C<sub>1</sub>-C<sub>5</sub>)-alkyl, heterocyclyl, -  
S(O)<sub>n</sub>-(C<sub>1</sub>-C<sub>7</sub>)-alkyl, -S(O)<sub>n</sub>-aryl, -S(O)<sub>n</sub>-heteroaryl, -S(O)<sub>n</sub>-NR<sub>5</sub>R<sub>6</sub>, or

(C<sub>1</sub>-C<sub>7</sub>)-alkyl, (C<sub>3</sub>-C<sub>7</sub>)-cycloalkyl, (C<sub>1</sub>-C<sub>7</sub>)-alkenyl or (C<sub>1</sub>-C<sub>7</sub>)-alkynyl, each of  
which is optionally substituted with up to five groups independently  
selected from halogen, -OH, aryl, heteroaryl, -O-(C<sub>1</sub>-C<sub>10</sub>)-alkyl, -O-(C<sub>1</sub>-  
20 C<sub>7</sub>)-alkyl-R<sub>7</sub>, -O-aryl, -O-heteroaryl, -SH, -S-(C<sub>1</sub>-C<sub>10</sub>)-alkyl, -S-(C<sub>1</sub>-C<sub>7</sub>)-  
alkyl-R<sub>7</sub>, -S-aryl, -S-heteroaryl, -P(O)(O-(C<sub>1</sub>-C<sub>5</sub>)-alkyl)<sub>2</sub>, -P(O)(OH)<sub>2</sub>, -  
CN, -NR<sub>8</sub>R<sub>9</sub>, -CO-NH<sub>2</sub>, -CO-NH-(C<sub>1</sub>-C<sub>3</sub>)-alkyl, -CO-N((C<sub>1</sub>-C<sub>3</sub>)-alkyl)<sub>2</sub>, -  
COOH, -CO-O-(C<sub>1</sub>-C<sub>5</sub>)-alkyl, heterocyclyl, and oxo;



R<sub>5</sub> and R<sub>6</sub> independently are hydrogen, or

(C<sub>1</sub>-C<sub>10</sub>)-alkyl, (C<sub>3</sub>-C<sub>10</sub>)-cycloalkyl, (C<sub>1</sub>-C<sub>10</sub>)-alkenyl or (C<sub>1</sub>-C<sub>10</sub>)-alkynyl, each of which is optionally substituted with one, two or three groups selected from aryl, heteroaryl, heterocyclyl, -CO-(C<sub>1</sub>-C<sub>10</sub>)-alkyl, -CO-aryl, -CO-heteroaryl, -CO-heterocyclyl, -SO<sub>2</sub>-(C<sub>1</sub>-C<sub>10</sub>)-alkyl, -SO<sub>2</sub>-aryl, -SO<sub>2</sub>-heteroaryl, or -SO<sub>2</sub>-heterocyclyl; or

R<sub>5</sub> and R<sub>6</sub> together with the nitrogen atom to which they are attached form a 5, 6, 7 or 8-

membered carbocyclic ring up to two of which members are optionally hetero atoms selected from N, O, and S, the carbocyclic ring being optionally substituted

with up to five groups selected from halogen, (C<sub>1</sub>-C<sub>5</sub>)-alkyl, (C<sub>3</sub>-C<sub>6</sub>)-cycloalkyl, (C<sub>1</sub>-C<sub>5</sub>)-alkenyl, (C<sub>1</sub>-C<sub>5</sub>)-alkynyl, (C<sub>1</sub>-C<sub>3</sub>)-hydroxyalkyl, (C<sub>1</sub>-C<sub>3</sub>)-alkyl-O-(C<sub>1</sub>-C<sub>4</sub>)-alkyl, aryl, heteroaryl, -CF<sub>3</sub>, -OH, -O-(C<sub>1</sub>-C<sub>7</sub>)-alkyl, -O-aryl, -O-heteroaryl, -O-(C<sub>2</sub>-C<sub>4</sub>)-alkyl-O-(C<sub>1</sub>-C<sub>7</sub>)-alkyl, (C<sub>2</sub>-C<sub>3</sub>)-alkylenedioxy, -NR<sub>8</sub>R<sub>9</sub>, -CN, -CO-NH<sub>2</sub>, -CO-NH-(C<sub>1</sub>-C<sub>3</sub>)-alkyl, -CO-N((C<sub>1</sub>-C<sub>3</sub>)-alkyl)<sub>2</sub>, -COOH, -CO-O-(C<sub>1</sub>-C<sub>5</sub>)-alkyl, -CHO, CO-(C<sub>1</sub>-C<sub>5</sub>)-alkyl, -S(O)<sub>n</sub>-(C<sub>1</sub>-C<sub>4</sub>)-alkyl, -S(O)<sub>n</sub>-NH<sub>2</sub>, -S(O)<sub>n</sub>-NH-(C<sub>1</sub>-C<sub>3</sub>)-alkyl, -S(O)<sub>n</sub>-N((C<sub>1</sub>-C<sub>3</sub>)-alkyl)<sub>2</sub>, oxo, -(CH<sub>2</sub>)<sub>m</sub>-NH<sub>2</sub>, -(CH<sub>2</sub>)<sub>m</sub>-NH-(C<sub>1</sub>-C<sub>4</sub>)-alkyl or -(CH<sub>2</sub>)<sub>m</sub>-N((C<sub>1</sub>-C<sub>4</sub>)-alkyl)<sub>2</sub>, wherein the two alkyl groups are optionally linked by

a single bond and then, together with the nitrogen atom to which they are attached, form a 5, 6, 7 or 8- membered carbocyclic ring in which one

member is optionally selected from O, S or NR<sub>5</sub>;

R<sub>7</sub> is -OH, -O-(C<sub>1</sub>-C<sub>7</sub>)-alkyl, -NH<sub>2</sub>, -NH-(C<sub>1</sub>-C<sub>4</sub>)-alkyl, or

-N((C<sub>1</sub>-C<sub>4</sub>)-alkyl)<sub>2</sub>, wherein the two alkyl groups are optionally linked by a single bond and then, together with the nitrogen atom to which they are attached,

form a 5, 6, 7 or 8- membered carbocyclic ring in which one member is optionally selected from O, S or NR<sub>5</sub>;

R<sub>8</sub> is hydrogen, or

(C<sub>1</sub>-C<sub>7</sub>)-alkyl, (C<sub>3</sub>-C<sub>7</sub>)-cycloalkyl, (C<sub>1</sub>-C<sub>7</sub>)-alkenyl or (C<sub>1</sub>-C<sub>7</sub>)-alkynyl, each of which is optionally substituted with one, two or three groups selected from -OH, -O-(C<sub>1</sub>-C<sub>5</sub>)-alkyl, -NH<sub>2</sub>, -NH-(C<sub>1</sub>-C<sub>4</sub>)-alkyl and -N((C<sub>1</sub>-C<sub>4</sub>)-alkyl)<sub>2</sub>;

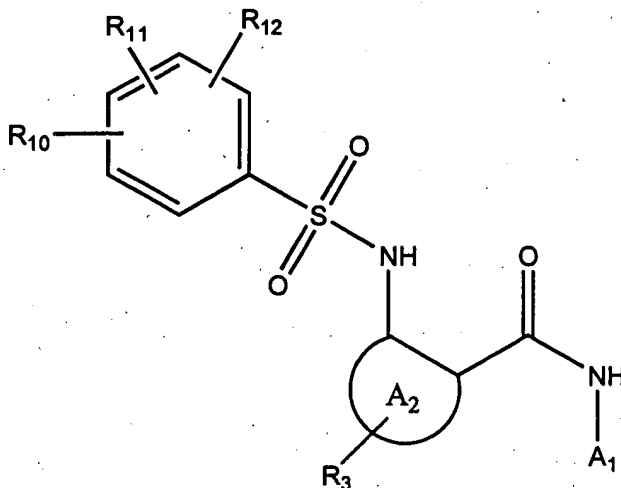
R<sub>9</sub> is hydrogen, -CO-(C<sub>1</sub>-C<sub>4</sub>)-alkyl, or

(C<sub>1</sub>-C<sub>7</sub>)-alkyl, (C<sub>3</sub>-C<sub>7</sub>)-cycloalkyl, (C<sub>1</sub>-C<sub>7</sub>)-alkenyl or (C<sub>1</sub>-C<sub>7</sub>)-alkynyl, each of which is optionally substituted with one, two or three groups selected from -OH, -O-(C<sub>1</sub>-C<sub>5</sub>)-alkyl, -NH<sub>2</sub>, -NH-(C<sub>1</sub>-C<sub>4</sub>)-alkyl and -N((C<sub>1</sub>-C<sub>4</sub>)-alkyl)<sub>2</sub>;

n is 0, 1, or 2; and

m is 2, 3, or 4.

6. A method for treating a tumor in a subject in need thereof, comprising administering to said subject a therapeutically effective amount of a compound having the formula:



or a pharmaceutically acceptable salt, ester, amide, or prodrug thereof wherein

A<sub>1</sub> is aryl or heteroaryl, each of which may be optionally substituted with one, two or

three groups independently selected from halogen, aryl, -CF<sub>3</sub>, -NO<sub>2</sub>, -OH, -O-(C<sub>1</sub>-C<sub>7</sub>)-alkyl, -O-(C<sub>2</sub>-C<sub>4</sub>)-alkyl-O-(C<sub>1</sub>-C<sub>7</sub>)-alkyl, -O-aryl, (C<sub>1</sub>-C<sub>2</sub>)-alkylenedioxy, -

5 NR<sub>5</sub>R<sub>6</sub>, -CN, -CO-NR<sub>5</sub>R<sub>6</sub>, -COOH, -CO-O-(C<sub>1</sub>-C<sub>5</sub>)-alkyl, heterocyclyl, -CHO, -CO-(C<sub>1</sub>-C<sub>10</sub>)-alkyl, -CO-aryl, -CO-heteroaryl, or

(C<sub>1</sub>-C<sub>10</sub>)-alkyl, (C<sub>3</sub>-C<sub>10</sub>)-cycloalkyl, (C<sub>1</sub>-C<sub>10</sub>)-alkenyl or (C<sub>1</sub>-C<sub>10</sub>)-alkynyl, each of

which is optionally substituted with up to five groups independently

selected from halogen, -OH, aryl, heteroaryl, -O-(C<sub>1</sub>-C<sub>10</sub>)-alkyl, -O-(C<sub>1</sub>-C<sub>7</sub>)-alkyl-R<sub>7</sub>, -O-aryl, -O-heteroaryl, -SH, -S-(C<sub>1</sub>-C<sub>10</sub>)-alkyl, -S-(C<sub>1</sub>-C<sub>7</sub>)-

10 alkyl-R<sub>7</sub>, -S-aryl, -S-heteroaryl, -P(O)(O-(C<sub>1</sub>-C<sub>5</sub>)-alkyl)<sub>2</sub>, -P(O)(OH)<sub>2</sub>, -CN, -NR<sub>8</sub>R<sub>9</sub>, -CO-NH<sub>2</sub>, -CO-NH-(C<sub>1</sub>-C<sub>3</sub>)-alkyl, -CO-N((C<sub>1</sub>-C<sub>3</sub>)-alkyl)<sub>2</sub>, -COOH, -CO-O-(C<sub>1</sub>-C<sub>5</sub>)-alkyl, heterocyclyl, and oxo;

A<sub>2</sub> represents a ringed structure consisting of aryl, heterocyclyl, heteroaryl or (C<sub>3</sub>-C<sub>10</sub>)-

15 cycloalkyl;

R<sub>3</sub> is one, two or three substituents independently selected from hydrogen, halogen, -CF<sub>3</sub>,

-OH, -O-(C<sub>1</sub>-C<sub>10</sub>)-alkyl, -O-(C<sub>1</sub>-C<sub>7</sub>)-alkyl-R<sub>7</sub>, -O-aryl, -O-heteroaryl, -SH, -S-(C<sub>1</sub>-C<sub>10</sub>)-alkyl, -S-(C<sub>1</sub>-C<sub>7</sub>)-alkyl-R<sub>7</sub>, -S-aryl, -S-heteroaryl, (C<sub>1</sub>-C<sub>3</sub>)-alkylene dioxy, -

CN, -NO<sub>2</sub>, -NR<sub>8</sub>R<sub>9</sub>, -CONR<sub>5</sub>R<sub>6</sub>, -COOH, -CO-O-(C<sub>1</sub>-C<sub>5</sub>)-alkyl, heterocyclyl, -

20 S(O)<sub>n</sub>-(C<sub>1</sub>-C<sub>7</sub>)-alkyl, -S(O)<sub>n</sub>-aryl, -S(O)<sub>n</sub>-heteroaryl, -S(O)<sub>n</sub>-NR<sub>5</sub>R<sub>6</sub>, or

(C<sub>1</sub>-C<sub>7</sub>)-alkyl, (C<sub>3</sub>-C<sub>7</sub>)-cycloalkyl, (C<sub>1</sub>-C<sub>7</sub>)-alkenyl or (C<sub>1</sub>-C<sub>7</sub>)-alkynyl, each of

which is optionally substituted with up to five groups independently

selected from halogen, -OH, aryl, heteroaryl, -O-(C<sub>1</sub>-C<sub>10</sub>)-alkyl, -O-(C<sub>1</sub>-

C<sub>7</sub>)-alkyl-R<sub>7</sub>, -O-aryl, -O-heteroaryl, -SH, -S-(C<sub>1</sub>-C<sub>10</sub>)-alkyl, -S-(C<sub>1</sub>-C<sub>7</sub>)-alkyl-R<sub>7</sub>, -S-aryl, -S-heteroaryl, -P(O)(O-(C<sub>1</sub>-C<sub>5</sub>)-alkyl)<sub>2</sub>, -P(O)(OH)<sub>2</sub>, -CN, -NR<sub>8</sub>R<sub>9</sub>, -CO-NH<sub>2</sub>, -CO-NH-(C<sub>1</sub>-C<sub>3</sub>)-alkyl, -CO-N((C<sub>1</sub>-C<sub>3</sub>)-alkyl)<sub>2</sub>, -COOH, -CO-O-(C<sub>1</sub>-C<sub>5</sub>)-alkyl, heterocyclyl, and oxo;

5 R<sub>5</sub> and R<sub>6</sub> independently are hydrogen, or

(C<sub>1</sub>-C<sub>10</sub>)-alkyl, (C<sub>3</sub>-C<sub>10</sub>)-cycloalkyl, (C<sub>1</sub>-C<sub>10</sub>)-alkenyl or (C<sub>1</sub>-C<sub>10</sub>)-alkynyl, each of which is optionally substituted with one, two or three groups selected from aryl, heteroaryl, heterocyclyl, -CO-(C<sub>1</sub>-C<sub>10</sub>)-alkyl, -CO-aryl, -CO-heteroaryl, -CO-heterocyclyl, -SO<sub>2</sub>-(C<sub>1</sub>-C<sub>10</sub>)-alkyl, -SO<sub>2</sub>-aryl, -SO<sub>2</sub>-heteroaryl, or -SO<sub>2</sub>-heterocyclyl; or

10 R<sub>5</sub> and R<sub>6</sub> together with the nitrogen atom to which they are attached form a 5, 6, 7 or 8-membered carbocyclic ring up to two of which members are optionally heteroatoms selected from N, O, and S, the carbocyclic ring being optionally substituted with up to five groups selected from halogen, (C<sub>1</sub>-C<sub>5</sub>)-alkyl, (C<sub>3</sub>-C<sub>6</sub>)-cycloalkyl, (C<sub>1</sub>-C<sub>5</sub>)-alkenyl, (C<sub>1</sub>-C<sub>5</sub>)-alkynyl, (C<sub>1</sub>-C<sub>3</sub>)-hydroxyalkyl, (C<sub>1</sub>-C<sub>3</sub>)-alkyl-O-(C<sub>1</sub>-C<sub>4</sub>)-alkyl, aryl, heteroaryl, -CF<sub>3</sub>, -OH, -O-(C<sub>1</sub>-C<sub>7</sub>)-alkyl, -O-aryl, -O-heteroaryl, -O-(C<sub>2</sub>-C<sub>4</sub>)-alkyl-O-(C<sub>1</sub>-C<sub>7</sub>)-alkyl, (C<sub>2</sub>-C<sub>3</sub>)-alkylenedioxy, -NR<sub>8</sub>R<sub>9</sub>, -CN, -CO-NH<sub>2</sub>, -CO-NH-(C<sub>1</sub>-C<sub>3</sub>)-alkyl, -CO-N((C<sub>1</sub>-C<sub>3</sub>)-alkyl)<sub>2</sub>, -COOH, -CO-O-(C<sub>1</sub>-C<sub>5</sub>)-alkyl, -CHO, CO-(C<sub>1</sub>-C<sub>5</sub>)-alkyl, -S(O)<sub>n</sub>-(C<sub>1</sub>-C<sub>4</sub>)-alkyl, -S(O)<sub>n</sub>-NH<sub>2</sub>, -S(O)<sub>n</sub>-NH-(C<sub>1</sub>-C<sub>3</sub>)-alkyl, -S(O)<sub>n</sub>-N((C<sub>1</sub>-C<sub>3</sub>)-alkyl)<sub>2</sub>, oxo, -(CH<sub>2</sub>)<sub>m</sub>-NH<sub>2</sub>, -(CH<sub>2</sub>)<sub>m</sub>-NH-(C<sub>1</sub>-C<sub>4</sub>)-alkyl or -(CH<sub>2</sub>)<sub>m</sub>-N((C<sub>1</sub>-C<sub>4</sub>)-alkyl)<sub>2</sub>, wherein the two alkyl groups are optionally linked by a single bond and then, together with the nitrogen atom to which they are

attached, form a 5, 6, 7 or 8- membered carbocyclic ring in which one member is optionally selected from O, S or NR<sub>5</sub>;

R<sub>7</sub> is -OH, -O-(C<sub>1</sub>-C<sub>7</sub>)-alkyl, -NH<sub>2</sub>, -NH-(C<sub>1</sub>-C<sub>4</sub>)-alkyl, or

-N((C<sub>1</sub>-C<sub>4</sub>)-alkyl)<sub>2</sub>, wherein the two alkyl groups are optionally linked by a single  
5 bond and then, together with the nitrogen atom to which they are attached, form a 5, 6, 7 or 8- membered carbocyclic ring in which one member is optionally selected from O, S or NR<sub>5</sub>;

R<sub>8</sub> is hydrogen, or

(C<sub>1</sub>-C<sub>7</sub>)-alkyl, (C<sub>3</sub>-C<sub>7</sub>)-cycloalkyl, (C<sub>1</sub>-C<sub>7</sub>)-alkenyl or (C<sub>1</sub>-C<sub>7</sub>)-alkynyl, each of  
10 which is optionally substituted with one, two or three groups selected from -OH, -O-(C<sub>1</sub>-C<sub>5</sub>)-alkyl, -NH<sub>2</sub>, -NH-(C<sub>1</sub>-C<sub>4</sub>)-alkyl and -N((C<sub>1</sub>-C<sub>4</sub>)-alkyl)<sub>2</sub>;

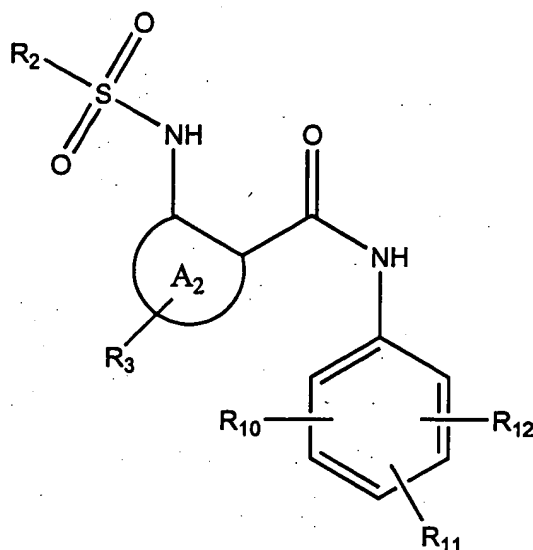
R<sub>9</sub> is hydrogen, -CO-(C<sub>1</sub>-C<sub>4</sub>)-alkyl, or

(C<sub>1</sub>-C<sub>7</sub>)-alkyl, (C<sub>3</sub>-C<sub>7</sub>)-cycloalkyl, (C<sub>1</sub>-C<sub>7</sub>)-alkenyl or (C<sub>1</sub>-C<sub>7</sub>)-alkynyl, each of  
which is optionally substituted with one, two or three groups selected from  
15 -OH, -O-(C<sub>1</sub>-C<sub>5</sub>)-alkyl, -NH<sub>2</sub>, -NH-(C<sub>1</sub>-C<sub>4</sub>)-alkyl and -N((C<sub>1</sub>-C<sub>4</sub>)-alkyl)<sub>2</sub>;

n is 0, 1, or 2; and

m is 2, 3, or 4.

7. A method for treating a tumor in a subject in need thereof, comprising  
20 administering to said subject a therapeutically effective amount of a compound having the formula:



or a pharmaceutically acceptable salt, ester, amide, or prodrug thereof wherein

A<sub>1</sub> is aryl or heteroaryl, each of which may be optionally substituted with one, two or three groups independently selected from halogen, aryl, -CF<sub>3</sub>, -NO<sub>2</sub>, -OH, -O-(C<sub>1</sub>-C<sub>7</sub>)-alkyl, -O-(C<sub>2</sub>-C<sub>4</sub>)-alkyl-O-(C<sub>1</sub>-C<sub>7</sub>)-alkyl, -O-aryl, (C<sub>1</sub>-C<sub>2</sub>)-alkylenedioxy, -NR<sub>5</sub>R<sub>6</sub>, -CN, -CO-NR<sub>5</sub>R<sub>6</sub>, -COOH, -CO-O-(C<sub>1</sub>-C<sub>5</sub>)-alkyl, heterocyclyl, -CHO, -CO-(C<sub>1</sub>-C<sub>10</sub>)-alkyl, -CO-aryl, -CO-heteroaryl, or

(C<sub>1</sub>-C<sub>10</sub>)-alkyl, (C<sub>3</sub>-C<sub>10</sub>)-cycloalkyl, (C<sub>1</sub>-C<sub>10</sub>)-alkenyl or (C<sub>1</sub>-C<sub>10</sub>)-alkynyl, each of which is optionally substituted with up to five groups independently selected from halogen, -OH, aryl, heteroaryl, -O-(C<sub>1</sub>-C<sub>10</sub>)-alkyl, -O-(C<sub>1</sub>-C<sub>7</sub>)-alkyl-R<sub>7</sub>, -O-aryl, -O-heteroaryl, -SH, -S-(C<sub>1</sub>-C<sub>10</sub>)-alkyl, -S-(C<sub>1</sub>-C<sub>7</sub>)-alkyl-R<sub>7</sub>, -S-aryl, -S-heteroaryl, -P(O)(O-(C<sub>1</sub>-C<sub>5</sub>)-alkyl)<sub>2</sub>, -P(O)(OH)<sub>2</sub>, -CN, -NR<sub>8</sub>R<sub>9</sub>, -CO-NH<sub>2</sub>, -CO-NH-(C<sub>1</sub>-C<sub>3</sub>)-alkyl, -CO-N((C<sub>1</sub>-C<sub>3</sub>)-alkyl)<sub>2</sub>, -COOH, -CO-O-(C<sub>1</sub>-C<sub>5</sub>)-alkyl, heterocyclyl, and oxo;

A<sub>2</sub> represents a ringed structure consisting of aryl, heteroaryl, heterocyclyl or (C<sub>3</sub>-C<sub>10</sub>)-cycloalkyl;

R<sub>2</sub> is -NR<sub>5</sub>R<sub>6</sub>, or

aryl, heteroaryl, heterocyclyl, (C<sub>1</sub>-C<sub>10</sub>)-alkyl, (C<sub>3</sub>-C<sub>10</sub>)-cycloalkyl, (C<sub>1</sub>-C<sub>10</sub>)-alkenyl or (C<sub>1</sub>-C<sub>10</sub>)-alkynyl, each of which may be optionally substituted with one, two or three groups selected from halogen, -OH, aryl, heteroaryl, -O-(C<sub>1</sub>-C<sub>10</sub>)-alkyl, -O-(C<sub>1</sub>-C<sub>7</sub>)-alkyl-R<sub>7</sub>, -O-aryl, -O-heteroaryl, -SH, -S-(C<sub>1</sub>-C<sub>10</sub>)-alkyl, -S-(C<sub>1</sub>-C<sub>7</sub>)-alkyl-R<sub>7</sub>, -S-aryl, -S-heteroaryl, -P(O)(O-(C<sub>1</sub>-C<sub>5</sub>)-alkyl)<sub>2</sub>, -P(O)(OH)<sub>2</sub>, -CN, -NR<sub>8</sub>R<sub>9</sub>, -CO-NH<sub>2</sub>, -CO-NH-(C<sub>1</sub>-C<sub>3</sub>)-alkyl, -CO-N((C<sub>1</sub>-C<sub>3</sub>)-alkyl)<sub>2</sub>, -COOH, -CO-O-(C<sub>1</sub>-C<sub>5</sub>)-alkyl, heterocyclyl, and oxo;

R<sub>3</sub> is one, two or three substituents independently selected from hydrogen, halogen, -CF<sub>3</sub>,

-OH, -O-(C<sub>1</sub>-C<sub>10</sub>)-alkyl, -O-(C<sub>1</sub>-C<sub>7</sub>)-alkyl-R<sub>7</sub>, -O-aryl, -O-heteroaryl, -SH, -S-(C<sub>1</sub>-C<sub>10</sub>)-alkyl, -S-(C<sub>1</sub>-C<sub>7</sub>)-alkyl-R<sub>7</sub>, -S-aryl, -S-heteroaryl, (C<sub>1</sub>-C<sub>3</sub>)-alkylene dioxy, -CN, -NO<sub>2</sub>, -NR<sub>8</sub>R<sub>9</sub>, -CONR<sub>5</sub>R<sub>6</sub>, -COOH, -CO-O-(C<sub>1</sub>-C<sub>5</sub>)-alkyl, heterocyclyl, -S(O)<sub>n</sub>-(C<sub>1</sub>-C<sub>7</sub>)-alkyl, -S(O)<sub>n</sub>-aryl, -S(O)<sub>n</sub>-heteroaryl, -S(O)<sub>n</sub>-NR<sub>5</sub>R<sub>6</sub>, or

(C<sub>1</sub>-C<sub>7</sub>)-alkyl, (C<sub>3</sub>-C<sub>7</sub>)-cycloalkyl, (C<sub>1</sub>-C<sub>7</sub>)-alkenyl or (C<sub>1</sub>-C<sub>7</sub>)-alkynyl, each of

which is optionally substituted with up to five groups independently selected from halogen, -OH, aryl, heteroaryl, -O-(C<sub>1</sub>-C<sub>10</sub>)-alkyl, -O-(C<sub>1</sub>-C<sub>7</sub>)-alkyl-R<sub>7</sub>, -O-aryl, -O-heteroaryl, -SH, -S-(C<sub>1</sub>-C<sub>10</sub>)-alkyl, -S-(C<sub>1</sub>-C<sub>7</sub>)-alkyl-R<sub>7</sub>, -S-aryl, -S-heteroaryl, -P(O)(O-(C<sub>1</sub>-C<sub>5</sub>)-alkyl)<sub>2</sub>, -P(O)(OH)<sub>2</sub>, -CN, -NR<sub>8</sub>R<sub>9</sub>, -CO-NH<sub>2</sub>, -CO-NH-(C<sub>1</sub>-C<sub>3</sub>)-alkyl, -CO-N((C<sub>1</sub>-C<sub>3</sub>)-alkyl)<sub>2</sub>, -COOH, -CO-O-(C<sub>1</sub>-C<sub>5</sub>)-alkyl, heterocyclyl, and oxo;

R<sub>5</sub> and R<sub>6</sub> independently are hydrogen, or

(C<sub>1</sub>-C<sub>10</sub>)-alkyl, (C<sub>3</sub>-C<sub>10</sub>)-cycloalkyl, (C<sub>1</sub>-C<sub>10</sub>)-alkenyl or (C<sub>1</sub>-C<sub>10</sub>)-alkynyl, each of which is optionally substituted with one, two or three groups selected from

aryl, heteroaryl, heterocyclyl, -CO-(C<sub>1</sub>-C<sub>10</sub>)-alkyl, -CO-aryl, -CO-heteroaryl, -CO-heterocyclyl, -SO<sub>2</sub>-(C<sub>1</sub>-C<sub>10</sub>)-alkyl, -SO<sub>2</sub>-aryl -SO<sub>2</sub>-heteroaryl, or -SO<sub>2</sub>-heterocyclyl; or

R<sub>5</sub> and R<sub>6</sub> together with the nitrogen atom to which they are attached form a 5, 6, 7 or 8-

5 membered carbocyclic ring up to two of which members are optionally hetero atoms selected from N, O, and S, the carbocyclic ring being optionally substituted with up to five groups selected from halogen, (C<sub>1</sub>-C<sub>5</sub>)-alkyl, (C<sub>3</sub>-C<sub>6</sub>)-cycloalkyl, (C<sub>1</sub>-C<sub>5</sub>)-alkenyl, (C<sub>1</sub>-C<sub>5</sub>)-alkynyl, (C<sub>1</sub>-C<sub>3</sub>)-hydroxyalkyl, (C<sub>1</sub>-C<sub>3</sub>)-alkyl-O-(C<sub>1</sub>-C<sub>4</sub>)-alkyl, aryl, heteroaryl, -CF<sub>3</sub>, -OH, -O-(C<sub>1</sub>-C<sub>7</sub>)-alkyl, -O-aryl, -O-heteroaryl, -O-10 (C<sub>2</sub>-C<sub>4</sub>)-alkyl-O-(C<sub>1</sub>-C<sub>7</sub>)-alkyl, (C<sub>2</sub>-C<sub>3</sub>)-alkylenedioxy, -NR<sub>8</sub>R<sub>9</sub>, -CN, -CO-NH<sub>2</sub>, -CO-NH-(C<sub>1</sub>-C<sub>3</sub>)-alkyl, -CO-N((C<sub>1</sub>-C<sub>3</sub>)-alkyl)<sub>2</sub>, -COOH, -CO-O-(C<sub>1</sub>-C<sub>5</sub>)-alkyl, -CHO, CO-(C<sub>1</sub>-C<sub>5</sub>)-alkyl, -S(O)<sub>n</sub>-(C<sub>1</sub>-C<sub>4</sub>)-alkyl, -S(O)<sub>n</sub>-NH<sub>2</sub>, -S(O)<sub>n</sub>-NH-(C<sub>1</sub>-C<sub>3</sub>)-alkyl, -S(O)<sub>n</sub>-N((C<sub>1</sub>-C<sub>3</sub>)-alkyl)<sub>2</sub>, oxo, -(CH<sub>2</sub>)<sub>m</sub>-NH<sub>2</sub>, -(CH<sub>2</sub>)<sub>m</sub>-NH-(C<sub>1</sub>-C<sub>4</sub>)-alkyl or 15 -(CH<sub>2</sub>)<sub>m</sub>-N((C<sub>1</sub>-C<sub>4</sub>)-alkyl)<sub>2</sub>, wherein the two alkyl groups are optionally linked by a single bond and then, together with the nitrogen atom to which they are attached, form a 5, 6, 7 or 8- membered carbocyclic ring in which one member is optionally selected from O, S or NR<sub>5</sub>;

R<sub>7</sub> is -OH, -O-(C<sub>1</sub>-C<sub>7</sub>)-alkyl, -NH<sub>2</sub>, -NH-(C<sub>1</sub>-C<sub>4</sub>)-alkyl, or

-N((C<sub>1</sub>-C<sub>4</sub>)-alkyl)<sub>2</sub>, wherein the two alkyl groups are optionally linked by a single

20 bond and then, together with the nitrogen atom to which they are attached, form a 5, 6, 7 or 8- membered carbocyclic ring in which one member is optionally selected from O, S or NR<sub>5</sub>;

R<sub>8</sub> is hydrogen, or



(C<sub>1</sub>-C<sub>7</sub>)-alkyl, (C<sub>3</sub>-C<sub>7</sub>)-cycloalkyl, (C<sub>1</sub>-C<sub>7</sub>)-alkenyl or (C<sub>1</sub>-C<sub>7</sub>)-alkynyl, each of which is optionally substituted with one, two or three groups selected from -OH, -O-(C<sub>1</sub>-C<sub>5</sub>)-alkyl, -NH<sub>2</sub>, -NH-(C<sub>1</sub>-C<sub>4</sub>)-alkyl and -N((C<sub>1</sub>-C<sub>4</sub>)-alkyl)<sub>2</sub>;

R<sub>9</sub> is hydrogen, -CO-(C<sub>1</sub>-C<sub>4</sub>)-alkyl, or

5 (C<sub>1</sub>-C<sub>7</sub>)-alkyl, (C<sub>3</sub>-C<sub>7</sub>)-cycloalkyl, (C<sub>1</sub>-C<sub>7</sub>)-alkenyl or (C<sub>1</sub>-C<sub>7</sub>)-alkynyl, each of which is optionally substituted with one, two or three groups selected from -OH, -O-(C<sub>1</sub>-C<sub>5</sub>)-alkyl, -NH<sub>2</sub>, -NH-(C<sub>1</sub>-C<sub>4</sub>)-alkyl and -N((C<sub>1</sub>-C<sub>4</sub>)-alkyl)<sub>2</sub>;

n is 0, 1, or 2; and

m is 2, 3, or 4.

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8. The method according to claim 1 wherein the compound is selected from

5-chloro-2-[[[(4-chlorophenyl)sulfonyl]amino}-N-(4-chlorophenyl)benzamide;

5-bromo-2-[[[(4-chlorophenyl)sulfonyl]amino}-N-(4-chlorophenyl)benzamide;

(5-bromo-2-[[[(4-chloro-3-nitrophenyl)sulfonyl]amino}phenyl)-N-(4-chlorophenyl)

15 carboxamide;

N-(3,4-dichlorophenyl)(5-chloro-2-[[[(4-chlorophenyl)sulfonyl]amino}phenyl)

carboxamide; and

N-(4-chlorophenyl)(3-[[[(4-chlorophenyl)sulfonyl]amino}(2-naphthyl))carboxamide.

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9. The method of claim 1 wherein the tumor is selected from sarcoma,

carcinoma, and mesothelioma.

10. The method of claim 2 wherein the tumor is selected from sarcoma, carcinoma, and mesothelioma.

11. The method of claim 3 wherein the tumor is selected from sarcoma,  
5 carcinoma, and mesothelioma.

12. The method of claim 4 wherein the tumor is selected from sarcoma, carcinoma, and mesothelioma.

13. The method of claim 5 wherein the tumor is selected from sarcoma,  
10 carcinoma, and mesothelioma.

14. The method of claim 6 wherein the tumor is selected from sarcoma, carcinoma, and mesothelioma.

15. The method of claim 7 wherein the tumor is selected from sarcoma,  
15 carcinoma, and mesothelioma.

16. The method of claim 8 wherein the tumor is selected from sarcoma, carcinoma, and mesothelioma.

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